

# Statement of Basis of the Federal Operating Permit

Enterprise Products Operating LLC

Site/Area Name: Pasadena Plant  
Physical location: 1500 South Street  
Nearest City: Pasadena  
County: Harris

Permit Number: O1429  
Project Type: Renewal

Standard Industrial Classification (SIC) Code: 2869  
SIC Name: Industrial Organic Chemicals

This Statement of Basis sets forth the legal and factual basis for the draft permit conditions in accordance with 30 TAC §122.201(a)(4). Per 30 TAC §§ 122.241 and 243, the permit holder has submitted an application under § 122.134 for permit renewal. This document includes the following information:

- A description of the facility/area process description;
- A basis for applying permit shields;
- A list of the federal regulatory applicability determinations;
- A table listing the determination of applicable requirements;
- A list of the New Source Review Requirements;
- The rationale for compliance assurance methods selected;
- A compliance status; and
- A list of available unit attribute forms.

Prepared on: March 26, 2014

## Operating Permit Basis of Determination

### Permit Area Process Description

Enteprise operates storage, loading, blending and distribution facilities at the site. The raw materials, mainly light distillates, potassium hydroxide (KOH), liquid potassium carbonate (LPC), mineral oil and raffinate, are delivered to site via pipelines, trucks, barges and rail cars. These materials are loaded into storage tanks. Based on market demands, the materials are then shipped out via pipelines, trucks, barges, and rail cars.

### FOPs at Site

The “application area” consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: None

### Major Source Pollutants

The table below specifies the pollutants for which the site is a major source:

Major Pollutants	VOC, NO <sub>x</sub>
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### Reading State of Texas’s Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as “applicable requirements”) that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
  - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
  - Additional Monitoring Requirements
  - New Source Review Authorization Requirements
  - Compliance Requirements
  - Protection of Stratosphere Ozone
  - Permit Location
  - Permit Shield (30 TAC § 122.148)
- Attachments
  - Applicable Requirements Summary
    - Unit Summary
    - Applicable Requirements Summary
  - Additional Monitoring Requirements

- Permit Shield
- New Source Review Authorization References
- Compliance Plan
- Alternative Requirements
- Appendix A
  - Acronym list

## General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

## Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on a OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

## Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the “index number,” detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table are based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be

required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

**Permit Shield.** A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

**New Source Review Authorization References.** All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

**Compliance Plan.** A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

**Alternative Requirements.** This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

## Appendix A

**Acronym list.** This attachment lists the common acronyms used when discussing the FOPs.

### **Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions**

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirement Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3.A. for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B). An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

### **Federal Regulatory Applicability Determinations**

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

<b>Regulatory Program</b>	<b>Applicability (Yes/No)</b>
Prevention of Significant Deterioration (PSD)	No
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	Yes
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	No
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	Yes
CAIR (Clean Air Interstate Rule)	No

### **Basis for Applying Permit Shields**

An operating permit applicant has the opportunity to specifically request a permit shield to document that specific applicable requirements do not apply to emission units in the permit. A permit shield is a special condition stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements. A permit shield has been requested in the application for specific emission units. For the permit shield requests that have been approved, the basis of determination for regulations that the owner/operator need not comply with are located in the "Permit Shield" attachment of the permit.

## Insignificant Activities

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

1. Office activities such as photocopying, blueprint copying, and photographic processes.
2. Sanitary sewage collection and treatment facilities other than those used to incinerate wastewater treatment plant sludge. Stacks or vents for sanitary sewer plumbing traps are also included.
3. Food preparation facilities including, but not limited to, restaurants and cafeterias used for preparing food or beverages primarily for consumption on the premises.
4. Outdoor barbecue pits, campfires, and fireplaces.
5. Laundry dryers, extractors, and tumblers processing bedding, clothing, or other fabric items generated primarily at the premises. This does not include emissions from dry cleaning systems using perchloroethylene or petroleum solvents.
6. Facilities storing only dry, sweet natural gas, including natural gas pressure regulator vents.
7. Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
8. Storage and handling of sealed portable containers, cylinders, or sealed drums.
9. Vehicle exhaust from maintenance or repair shops.
10. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
11. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
12. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
13. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
14. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
15. Well cellars.
16. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
17. Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal.
18. Equipment used exclusively for the melting or application of wax.
19. All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
20. Shell core and shell mold manufacturing machines.
21. Sand or investment molds with a capacity of 100 lbs. or less used for the casting of metals;
22. Equipment used for inspection of metal products.
23. Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
25. Battery recharging areas.
26. Brazing, soldering, or welding equipment.

## Determination of Applicable Requirements

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at [www.tceq.texas.gov/permitting/air/nav/air\\_all\\_ua\\_forms.html](http://www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html).

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS). These flowcharts can be accessed via the internet at [www.tceq.texas.gov/permitting/air/nav/air\\_supportsys.html](http://www.tceq.texas.gov/permitting/air/nav/air_supportsys.html). The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column "Changes and Exceptions to RRT." If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word "None" will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled "Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected."

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled "Basis for Applying Permit Shields" specifies which units, if any, have a permit shield.

### Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

## Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*
A-D-1	30 TAC Chapter 111, Visible Emissions	R1111-1	ACID GASES ONLY [REG I] = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. EMERGENCY/UPSET CONDITIONS ONLY [REG I] = Flare is used under conditions other than emergency or upset conditions.
A-D-1	40 CFR Part 60, Subpart A	60A-1	SUBJECT TO 40 CFR 60.18 = Flare is subject to 40 CFR § 60.18. ADHERING TO HEAT CONTENT SPECIFICATIONS = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4). FLARE ASSIST TYPE [NSPS A, NESHAP A, AND/OR MACT A] = Steam-assisted FLARE EXIT VELOCITY [NSPS A, NESHAP A, AND/OR MACT A] = Flare exit velocity is less than 60 ft/s (18.3 m/sec)
A-D-1	40 CFR Part 63, Subpart A	63A-1	REQUIRED UNDER 40 CFR 63 = Flare is not required by a Subpart under 40 CFR Part 63.
A-D-1	30 TAC Chapter 115, Vent Gas Controls	R5121-1	Alternate Control Requirement = Alternate control is not used. Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Control Device Type = Smokeless flare Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.
A-D-1	30 TAC Chapter 115, Vent Gas Controls	R5121-2	Alternate Control Requirement = Alternate control is not used. Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Control Device Type = Smokeless flare Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.
A-E-1	30 TAC Chapter 115, Vent Gas Controls	R5121-1	Alternate Control Requirement = Alternate control is not used. Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit. Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv. 40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies one of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices. Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.



Unit ID	Regulation	Index Number	Basis of Determination*
A-E-1	40 CFR Part 60, Subpart NNN	60NNN-1	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &gt; 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>VENT TYPE [NSPS NNN] = NOT DISCHARGING A VENT STREAM TO A VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p>
A-E-10	30 TAC Chapter 115, Vent Gas Controls	R5120-1	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
A-E-10	40 CFR Part 60, Subpart NNN	60NNN-1	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &gt; 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p>
A-E-12	40 CFR Part 60, Subpart NNN	60NNN-1	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &gt; 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p>
A-E-2	30 TAC Chapter 115, Vent Gas Controls	R5121-1	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.</p> <p>Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv.</p> <p>40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies one of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
A-E-2	40 CFR Part 60, Subpart NNN	60NNN-1	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &gt; 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>VENT TYPE [NSPS NNN] = NOT DISCHARGING A VENT STREAM TO A VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p>
A-E-3	30 TAC Chapter 115, Vent Gas Controls	R5121-1	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.</p> <p>Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv.</p> <p>40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies one of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
A-E-3	40 CFR Part 60, Subpart NNN	60NNN-1	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &gt; 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>VENT TYPE [NSPS NNN] = NOT DISCHARGING A VENT STREAM TO A VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p>
BARGE	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-01	<p>30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a direct flame incinerator.</p> <p>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Marine terminal</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.</p> <p>VAPOR TIGHT = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> <p>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>MARINE TERMINAL EXEMPTIONS = The marine terminal is not claiming one or more of the exemptions in 30 TAC § 115.217(a)(5)(B).</p> <p>TRANSFER TYPE = Loading and unloading.</p> <p>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.</p> <p>DAILY THROUGHPUT [REG V] = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.</p> <p>CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
BARGE	40 CFR Part 63, Subpart Y	63Y-01	<p>SUBPART Y FACILITY TYPE = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>BALLASTING OPERATIONS = Operations other than or in addition to ballasting operations are performed at the facility.</p> <p>VAPOR PRESSURE = Vapor pressure is greater than or equal to 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p> <p>SUBPART BB APPLICABILITY = Marine vessel loading operations are not subject to and complying with 40 CFR Part 61, Subpart BB.</p> <p>MATERIAL LOADED = Material other than crude oil or gasoline.</p> <p>HAP IMPURITIES ONLY = Marine vessel loading operations at loading berths transfer liquids containing organic hazardous air pollutants other than as impurities.</p> <p>SOURCE EMISSIONS = Source with emissions less than 10 and 25 tons.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
BLR-1	40 CFR Part 60, Subpart Db	60DB-1	<p>40 CFR 60 (NSPS) SUBPART DB FUEL TYPE #1 = Natural gas.</p> <p>CONSTRUCTION/MODIFICATION DATE = Modified after February 28, 2005.</p> <p>40 CFR 60 (NSPS) SUBPART DB FUEL TYPE #2 = Nonsolid non fossil fuel other than nonsolid byproduct/waste or hazardous waste.</p> <p>40 CFR 60 (NSPS) SUBPART DB HEAT INPUT CAPACITY = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW).</p> <p>60.42B(K)(4) ALTERNATIVE = The requirements of § 60.42b(k)(1) are used.</p> <p>PM MONITORING TYPE = No particulate monitoring.</p> <p>40 CFR 60 (NSPS) SUBPART DA CORRESPONDING APPLICABILITIES [NSPS DB] = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>OPACITY MONITORING TYPE = No particulate (opacity) monitoring.</p> <p>40 CFR 60 (NSPS) SUBPART DB CHANGES TO EXISTING AFFECTED FACILITY = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>60.43B(H)(2) ALTERNATIVE = The facility is not electing to use the alternative requirements of § 60.43b(h)(2) for PM.</p> <p>NOX MONITORING TYPE = Continuous emission monitoring system.</p> <p>SUBPART D CORRESPONDING APPLICABILITIES = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>ELECTRICAL OR MECHANICAL OUTPUT = 10% or less of the annual output is electrical or mechanical.</p> <p>SO<sub>2</sub> MONITORING TYPE = No SO<sub>2</sub> monitoring.</p> <p>SUBPART EA, EB OR AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>SUBPART J CORRESPONDING APPLICABILITIES = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>SUBPART E CORRESPONDING APPLICABILITIES = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>SUBPART KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>TECHNOLOGY TYPE = None.</p> <p>ACF OPTION - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>SUBPART CB OR BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>UNIT TYPE = OTHER UNIT TYPE</p> <p>ACF OPTION - PM = Other ACF or no ACF.</p> <p>HEAT RELEASE RATE = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49DA(N) ALTERNATIVE = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF OPTION - NOX = Other ACF or no ACF.</p> <p>60.49DA(M) ALTERNATIVE = The facility is not using the § 60.49Da(m) alternative.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
BLR-1	30 TAC Chapter 115, Vent Gas Controls	R5121-3	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Control Device Type = Vapor recovery system, as defined in 30 TAC § 115.10, other than an afterburner, blast furnace combustion device, boiler, catalytic or direct flame incinerator, carbon adsorption system, chiller, flare or vapor combustor.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p>
BLR-1	30 TAC Chapter 115, Vent Gas Controls	R5121-4	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Control Device Type = Vapor recovery system, as defined in 30 TAC § 115.10, other than an afterburner, blast furnace combustion device, boiler, catalytic or direct flame incinerator, carbon adsorption system, chiller, flare or vapor combustor.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
BLR-2	40 CFR Part 60, Subpart Db	60DB-2	<p>40 CFR 60 (NSPS) SUBPART DB FUEL TYPE #1 = Natural gas.</p> <p>CONSTRUCTION/MODIFICATION DATE = Modified after February 28, 2005.</p> <p>40 CFR 60 (NSPS) SUBPART DB FUEL TYPE #2 = Nonsolid non fossil fuel other than nonsolid byproduct/waste or hazardous waste.</p> <p>40 CFR 60 (NSPS) SUBPART DB HEAT INPUT CAPACITY = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW).</p> <p>60.42B(K)(4) ALTERNATIVE = The requirements of § 60.42b(k)(1) are used.</p> <p>PM MONITORING TYPE = No particulate monitoring.</p> <p>40 CFR 60 (NSPS) SUBPART DA CORRESPONDING APPLICABILITIES [NSPS DB] = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>OPACITY MONITORING TYPE = No particulate (opacity) monitoring.</p> <p>40 CFR 60 (NSPS) SUBPART DB CHANGES TO EXISTING AFFECTED FACILITY = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>60.43B(H)(2) ALTERNATIVE = The facility is not electing to use the alternative requirements of § 60.43b(h)(2) for PM.</p> <p>NOX MONITORING TYPE = Continuous emission monitoring system.</p> <p>SUBPART D CORRESPONDING APPLICABILITIES = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>ELECTRICAL OR MECHANICAL OUTPUT = 10% or less of the annual output is electrical or mechanical.</p> <p>SO<sub>2</sub> MONITORING TYPE = No SO<sub>2</sub> monitoring.</p> <p>SUBPART EA, EB OR AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>SUBPART J CORRESPONDING APPLICABILITIES = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>SUBPART E CORRESPONDING APPLICABILITIES = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>SUBPART KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>TECHNOLOGY TYPE = None.</p> <p>ACF OPTION - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>SUBPART CB OR BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>UNIT TYPE = OTHER UNIT TYPE</p> <p>ACF OPTION - PM = Other ACF or no ACF.</p> <p>HEAT RELEASE RATE = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft<sup>3</sup>.</p> <p>60.49DA(N) ALTERNATIVE = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF OPTION - NOX = Other ACF or no ACF.</p> <p>60.49DA(M) ALTERNATIVE = The facility is not using the § 60.49Da(m) alternative.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
BLR-2	30 TAC Chapter 115, Vent Gas Controls	R5121-5	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Control Device Type = Vapor recovery system, as defined in 30 TAC § 115.10, other than an afterburner, blast furnace combustion device, boiler, catalytic or direct flame incinerator, carbon adsorption system, chiller, flare or vapor combustor.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p>
BLR-2	30 TAC Chapter 115, Vent Gas Controls	R5121-6	<p>Alternate Control Requirement = Alternate control is not used.</p> <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Control Device Type = Vapor recovery system, as defined in 30 TAC § 115.10, other than an afterburner, blast furnace combustion device, boiler, catalytic or direct flame incinerator, carbon adsorption system, chiller, flare or vapor combustor.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
CT-1	30 TAC Chapter 115, HRVOC Cooling Towers	R5760-1	COOLING TOWER HEAT EXCHANGE SYSTEM EXEMPTIONS = Each individual heat exchanger of the cooling tower heat exchange system does not have greater than 100 ppmw HRVOCs in the process side fluid.
CT-1	40 CFR Part 63, Subpart Q	63Q-1	USED CHROMIUM COMPOUNDS AFTER SEPT. 8 1994 (MACT Q) = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.
ETNKFUG	30 TAC Chapter 115, HRVOC Fugitive Emissions	R5780-ALL	Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, HRVOC Fugitive Emissions with no alternate control or control device.
ETNKFUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-ALL	Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter D, Division 3 with no alternate control or control device.
HPIBFUG	30 TAC Chapter 115, HRVOC Fugitive Emissions	R5780-ALL	Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, HRVOC Fugitive Emissions with no alternate control or control device.
HPIBFUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-ALL	Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter D, Division 3 with no alternate control or control device.
HPIBFUG	40 CFR Part 60, Subpart VVa	60VVa-01	<p>Construction/Modification Date = After November 7, 2006</p> <p>Equipment Components = Equipment, as defined in 40 CFR § 60.481a, is included as components of the fugitive unit.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
L-G-0	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
L-G-0	40 CFR Part 60, Subpart K	60K-1	Construction/Modification Date = On or before June 11, 1973
L-G-1	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
L-G-1	40 CFR Part 60, Subpart K	60K-1	Construction/Modification Date = On or before June 11, 1973
L-G-3A	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
L-G-3A	40 CFR Part 60, Subpart K	60K-1	Construction/Modification Date = On or before June 11, 1973
L-G-3B	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
L-G-3B	40 CFR Part 60, Subpart K	60K-1	Construction/Modification Date = On or before June 11, 1973



Unit ID	Regulation	Index Number	Basis of Determination*
L-G-3C	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
L-G-3C	40 CFR Part 60, Subpart K	60K-1	Construction/Modification Date = On or before June 11, 1973
L-G-4	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
L-G-4	40 CFR Part 60, Subpart K	60K-1	<p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K)</p>
MARINEFUG	30 TAC Chapter 115, HRVOC Fugitive Emissions	R5780-ALL	Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, HRVOC Fugitive Emissions with no alternate control or control device.
MARINEFUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-ALL	Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter D, Division 3 with no alternate control or control device.
M-H-1	30 TAC Chapter 115, Storage of VOCs	R5112-10	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
M-H-1	40 CFR Part 60, Subpart Kb	60KB-9	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p>

Unit ID	Regulation	Index Number	Basis of Determination*
M-H-3	30 TAC Chapter 115, Storage of VOCs	R5112-11	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
M-H-3	40 CFR Part 60, Subpart Kb	60KB-10	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p>
Q-G-0	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
Q-G-0	40 CFR Part 60, Subpart Kb	60Kb-1	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p>
Q-G-1	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
Q-G-1	40 CFR Part 60, Subpart Ka	60Ka-1	Product Stored = Stored product other than a petroleum liquid
Q-G-3	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
Q-G-3	40 CFR Part 60, Subpart Ka	60Ka-1	Product Stored = Stored product other than a petroleum liquid

Unit ID	Regulation	Index Number	Basis of Determination*
R-110	40 CFR Part 60, Subpart RRR	60RRR-1	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = FLARE THAT MEETS THE REQUIREMENTS OF § 60.18</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>
R-110	40 CFR Part 60, Subpart RRR	60RRR-2	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>

Unit ID	Regulation	Index Number	Basis of Determination*
R-110	40 CFR Part 60, Subpart RRR	60RRR-3	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>
R-110	40 CFR Part 60, Subpart RRR	60RRR-4	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>

Unit ID	Regulation	Index Number	Basis of Determination*
R-111	40 CFR Part 60, Subpart RRR	60RRR-5	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = FLARE THAT MEETS THE REQUIREMENTS OF § 60.18</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>
R-111	40 CFR Part 60, Subpart RRR	60RRR-6	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>

Unit ID	Regulation	Index Number	Basis of Determination*
R-111	40 CFR Part 60, Subpart RRR	60RRR-7	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>
R-111	40 CFR Part 60, Subpart RRR	60RRR-8	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>

Unit ID	Regulation	Index Number	Basis of Determination*
R-112	40 CFR Part 60, Subpart RRR	60RRR-10	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>
R-112	40 CFR Part 60, Subpart RRR	60RRR-11	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>

Unit ID	Regulation	Index Number	Basis of Determination*
R-112	40 CFR Part 60, Subpart RRR	60RRR-12	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>
R-112	40 CFR Part 60, Subpart RRR	60RRR-9	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = FLARE THAT MEETS THE REQUIREMENTS OF § 60.18</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>



Unit ID	Regulation	Index Number	Basis of Determination*
R-130	40 CFR Part 60, Subpart RRR	60RRR-13	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = FLARE THAT MEETS THE REQUIREMENTS OF § 60.18</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>
R-130	40 CFR Part 60, Subpart RRR	60RRR-14	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>

Unit ID	Regulation	Index Number	Basis of Determination*
R-130	40 CFR Part 60, Subpart RRR	60RRR-15	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>
R-130	40 CFR Part 60, Subpart RRR	60RRR-16	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>

Unit ID	Regulation	Index Number	Basis of Determination*
R-131	40 CFR Part 60, Subpart RRR	60RRR-17	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = FLARE THAT MEETS THE REQUIREMENTS OF § 60.18</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>
R-131	40 CFR Part 60, Subpart RRR	60RRR-18	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>

Unit ID	Regulation	Index Number	Basis of Determination*
R-131	40 CFR Part 60, Subpart RRR	60RRR-19	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>
R-131	40 CFR Part 60, Subpart RRR	60RRR-20	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = NO BYPASS LINE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>

Unit ID	Regulation	Index Number	Basis of Determination*
RAILCAR	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-09	<p>30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.</p> <p>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.</p> <p>VAPOR TIGHT = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> <p>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>TRANSFER TYPE = Loading and unloading.</p> <p>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.</p> <p>DAILY THROUGHPUT [REG V] = Loading greater than or equal to 20,000 gallons per day.</p> <p>CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%.</p>
RMCPFUG	30 TAC Chapter 115, HRVOC Fugitive Emissions	R5780-ALL	Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, HRVOC Fugitive Emissions with no alternate control or control device.
RMCPFUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-ALL	Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter D, Division 3 with no alternate control or control device.
STNKFUG	30 TAC Chapter 115, HRVOC Fugitive Emissions	R5780-ALL	Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, HRVOC Fugitive Emissions with no alternate control or control device.
STNKFUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-ALL	Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter D, Division 3 with no alternate control or control device.
T-120	40 CFR Part 60, Subpart NNN	60NNN-1	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>

Unit ID	Regulation	Index Number	Basis of Determination*
T-120	40 CFR Part 60, Subpart NNN	60NNN-2	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER &gt; OR EQUAL TO 44 MW</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>
T-120	40 CFR Part 60, Subpart NNN	60NNN-3	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER &gt; OR EQUAL TO 44 MW</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>
T-120	40 CFR Part 60, Subpart NNN	60NNN-4	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER &gt; OR EQUAL TO 44 MW</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>

Unit ID	Regulation	Index Number	Basis of Determination*
T-140	40 CFR Part 60, Subpart NNN	60NNN-5	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>
T-140	40 CFR Part 60, Subpart NNN	60NNN-6	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER &gt; OR EQUAL TO 44 MW</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>
T-140	40 CFR Part 60, Subpart NNN	60NNN-7	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER &gt; OR EQUAL TO 44 MW</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>

Unit ID	Regulation	Index Number	Basis of Determination*
T-140	40 CFR Part 60, Subpart NNN	60NNN-8	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER &gt; OR EQUAL TO 44 MW</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>
T-150	40 CFR Part 60, Subpart NNN	60NNN-10	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER &gt; OR EQUAL TO 44 MW</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>
T-150	40 CFR Part 60, Subpart NNN	60NNN-11	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER &gt; OR EQUAL TO 44 MW</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>



Unit ID	Regulation	Index Number	Basis of Determination*
T-150	40 CFR Part 60, Subpart NNN	60NNN-12	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER &gt; OR EQUAL TO 44 MW</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>
T-150	40 CFR Part 60, Subpart NNN	60NNN-9	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>
T-160	40 CFR Part 60, Subpart NNN	60NNN-13	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>

Unit ID	Regulation	Index Number	Basis of Determination*
T-160	40 CFR Part 60, Subpart NNN	60NNN-14	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER &gt; OR EQUAL TO 44 MW</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>
T-160	40 CFR Part 60, Subpart NNN	60NNN-15	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER &gt; OR EQUAL TO 44 MW</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>
T-160	40 CFR Part 60, Subpart NNN	60NNN-16	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = &lt; OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER &gt; OR EQUAL TO 44 MW</p> <p>VENT TYPE [NSPS NNN] = TWO DIST UNITS DISCHARGING INTO A COMMON VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = &gt; OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = &gt; OR EQUAL TO 0.008 SCM/MIN</p>

Unit ID	Regulation	Index Number	Basis of Determination*
TKTRUCK	30 TAC Chapter 115, Loading and Unloading of VOC	R5212-05	<p>30 TAC CHAPTER 115 (REG V) CONTROL DEVICE TYPE = Vapor control system with a flare.</p> <p>30 TAC CHAPTER 115 (REG V) FACILITY TYPE = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = No alternate control requirements are being utilized.</p> <p>VAPOR TIGHT = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> <p>PRODUCT TRANSFERRED = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>TRANSFER TYPE = Loading and unloading.</p> <p>TRUE VAPOR PRESSURE [REG V] = True vapor pressure greater than or equal to 0.5 psia.</p> <p>DAILY THROUGHPUT [REG V] = Loading greater than or equal to 20,000 gallons per day.</p> <p>CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%.</p>
TT/RCFUG	30 TAC Chapter 115, HRVOC Fugitive Emissions	R5780-ALL	Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, HRVOC Fugitive Emissions with no alternate control or control device.
TT/RCFUG	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-ALL	Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter D, Division 3 with no alternate control or control device.
U-G-0	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
U-G-0	40 CFR Part 60, Subpart Ka	60Ka-1	Product Stored = Stored product other than a petroleum liquid
U-G-1	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
U-G-1	40 CFR Part 60, Subpart Ka	60Ka-1	Product Stored = Stored product other than a petroleum liquid

Unit ID	Regulation	Index Number	Basis of Determination*
U-G-2	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
U-G-2	40 CFR Part 60, Subpart Kb	60Kb-1	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia</p>
U-G-3	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
U-G-3	40 CFR Part 60, Subpart Ka	60Ka-1	Product Stored = Stored product other than a petroleum liquid
U-G-4	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
U-G-4	40 CFR Part 60, Subpart Ka	60Ka-1	Product Stored = Stored product other than a petroleum liquid
U-G-5	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
U-G-5	40 CFR Part 60, Subpart Ka	60Ka-1	Product Stored = Stored product other than a petroleum liquid

Unit ID	Regulation	Index Number	Basis of Determination*
U-G-6	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
U-G-6	40 CFR Part 60, Subpart Kb	60KB-1	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p>
U-G-7	30 TAC Chapter 115, Storage of VOCs	R5112-2	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
U-G-7	40 CFR Part 60, Subpart Kb	60KB-2	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p>
U-G-8	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
U-G-8	40 CFR Part 60, Subpart Kb	60Kb-1	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia</p>
U-H-0	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>

Unit ID	Regulation	Index Number	Basis of Determination*
U-H-0	40 CFR Part 60, Subpart Kb	60Kb-1	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia
U-H-1	30 TAC Chapter 115, Storage of VOCs	R5112-1	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
U-H-1	40 CFR Part 60, Subpart Kb	60Kb-1	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia
U-H-2	30 TAC Chapter 115, Storage of VOCs	R5112-1	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
U-H-2	40 CFR Part 60, Subpart Kb	60Kb-1	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia
U-H-3	30 TAC Chapter 115, Storage of VOCs	R5112-1	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
U-H-3	40 CFR Part 60, Subpart Kb	60Kb-1	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia
U-H-4	30 TAC Chapter 115, Storage of VOCs	R5112-1	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons

Unit ID	Regulation	Index Number	Basis of Determination*
U-H-4	40 CFR Part 60, Subpart Kb	60Kb-1	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 19,800 gallons (75,000 liters) but less than 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia
U-H-5	30 TAC Chapter 115, Storage of VOCs	R5112-3	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using an internal floating roof (IFR) True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
U-H-5	40 CFR Part 60, Subpart Kb	60KB-3	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal
U-H-6	30 TAC Chapter 115, Storage of VOCs	R5112-4	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using an internal floating roof (IFR) True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
U-H-6	40 CFR Part 60, Subpart Kb	60KB-4	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal
W-G-7	30 TAC Chapter 115, Storage of VOCs	R5112-5	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
W-G-7	40 CFR Part 60, Subpart Kb	60KB-5	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia

Unit ID	Regulation	Index Number	Basis of Determination*
W-G-8	30 TAC Chapter 115, Storage of VOCs	R5112-6	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
W-G-8	40 CFR Part 60, Subpart Kb	60KB-6	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p>
W-G-9	30 TAC Chapter 115, Storage of VOCs	R5112-7	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
W-G-9	40 CFR Part 60, Subpart Kb	60KB-7	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p>
W-H-0	30 TAC Chapter 115, Storage of VOCs	R5112-8	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
W-H-0	40 CFR Part 60, Subpart Kb	60KB-8	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p>
W-H-1	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
W-H-1	40 CFR Part 60, Subpart K	60K-1	<p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K)</p>



Unit ID	Regulation	Index Number	Basis of Determination*
W-H-2	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
W-H-2	40 CFR Part 60, Subpart K	60K-1	<p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters) and less than or equal to 65,000 gallons (246,052 liters)</p> <p>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K)</p>
W-H-3	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
W-H-3	40 CFR Part 60, Subpart K	60K-1	<p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters) and less than or equal to 65,000 gallons (246,052 liters)</p> <p>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K)</p>
W-H-4	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
W-H-4	40 CFR Part 60, Subpart Ka	60Ka-1	Product Stored = Stored product other than a petroleum liquid
W-H-5	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
W-H-5	40 CFR Part 60, Subpart K	60K-1	Construction/Modification Date = On or before June 11, 1973

Unit ID	Regulation	Index Number	Basis of Determination*
W-H-6	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
W-H-6	40 CFR Part 60, Subpart K	60K-1	Construction/Modification Date = On or before June 11, 1973
W-H-7	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
W-H-7	40 CFR Part 60, Subpart K	60K-1	Construction/Modification Date = On or before June 11, 1973
W-H-8	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
W-H-8	40 CFR Part 60, Subpart K	60K-1	Construction/Modification Date = On or before June 11, 1973
W-H-9	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
W-H-9	40 CFR Part 60, Subpart Ka	60K-1	Product Stored = Stored product other than a petroleum liquid

Unit ID	Regulation	Index Number	Basis of Determination*
W-I-o	30 TAC Chapter 115, Storage of VOCs	R5112-1	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
W-I-o	40 CFR Part 60, Subpart Ka	60Ka-1	Product Stored = Stored product other than a petroleum liquid
W-I-1	30 TAC Chapter 115, Storage of VOCs	R5112-9	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Product Stored = Other than crude oil, condensate, or VOC
W-I-4A	30 TAC Chapter 115, Storage of VOCs	R5112-1	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
W-I-4A	40 CFR Part 60, Subpart Ka	60Ka-1	Product Stored = Stored product other than a petroleum liquid
W-I-4B	30 TAC Chapter 115, Storage of VOCs	R5112-1	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
W-I-4B	40 CFR Part 60, Subpart Ka	60Ka-1	Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less
W-I-4C	30 TAC Chapter 115, Storage of VOCs	R5112-1	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
W-I-4C	40 CFR Part 60, Subpart Ka	60Ka-1	Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less

Unit ID	Regulation	Index Number	Basis of Determination*
W-I-5	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>
W-I-5	40 CFR Part 60, Subpart Ka	60Ka-1	Product Stored = Stored product other than a petroleum liquid

\* - The “unit attributes” or operating conditions that determine what requirements apply

## NSR Versus Title V FOP

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

NSR Permit	Federal Operating Permit(FOP)
Issued Prior to new Construction or modification of an existing facility	For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation.
Authorizes air emissions	Codifies existing applicable requirements, does not authorize new emissions
Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented.	Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP.
Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations.	One public notice required. Opportunity for public comments. No contested case hearings.
Applies to all point source emissions in the state.	Applies to all major sources and some non-major sources identified by the EPA.
Applies to facilities: a portion of site or individual emission sources	One or multiple FOPs cover the entire site (consists of multiple facilities)
Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis.	Permits include terms and conditions that specify the general operational requirements of the site; and also include codification of all applicable requirements for emission units at the site.
Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources.	Opportunity for EPA review, Affected states review, and a Public petition period for every FOP.
Permits have a table listing maximum emission limits for pollutants	Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements.
Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin.	Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated.
NSR permits are issued independent of FOP requirements.	FOP are independent of NSR permits, but contain a list of all NSR permits incorporated by reference

## New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. The following table specifies the permits by rule that apply to the site. All current permits by rule are contained in Chapter 106. Outdated 30 TAC Chapter 106 permits by rule may be viewed at the following Web site:

[www.tceq.texas.gov/permitting/air/permitbyrule/historical\\_rules/old106list/index106.html](http://www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html)

Outdated Standard Exemption lists may be viewed at the following Web site:

[www.tceq.texas.gov/permitting/air/permitbyrule/historical\\_rules/oldselist/se\\_index.html](http://www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html)

<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 7278	Issuance Date: 12/17/2013
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000

## Emission Units and Emission Points

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sandblasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the "Maximum Allowable Emission Rate Table", or "MAERT" for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

## **Monitoring Sufficiency**

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit's compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

## Rationale for Compliance Assurance Monitoring (CAM) Selected

### Compliance Assurance Monitoring (CAM):

Compliance Assurance Monitoring (CAM) is a federal monitoring program established under Title 40 Code of Federal Regulations Part 64 (40 CFR Part 64).

Emission units are subject to CAM requirements if they meet the following criteria:

1. the emission unit is subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement;
2. the emission unit uses a control device to achieve compliance with the emission limitation or standard specified in the applicable requirement; and
3. the emission unit has the pre-control device potential to emit greater than or equal to the amount in tons per year for a site to be classified as a major source.

The following table(s) identify the emission unit(s) that are subject to CAM:

Unit/Group/Process Information	
ID No.: A-D-1	
Control Device ID No.: A-D-1	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-1
Pollutant: VOC	Main Standard: § 115.121(a)(1)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: No visible emissions. If visible emissions are observed the permit holder shall either report a deviation or determine visible emissions consistent with Test Method 22 or Test Method 9.	
Basis of CAM: It is widely practiced and accepted to monitor flares for visible emissions by closed circuit cameras and visual inspection. Visible emissions observations indicate that the flare is not efficiently combusting the emissions or there is incomplete combustion. Visible emissions can indicate an improper inlet flow rate or net heating value of the emissions routed to the flare. Monitoring visible emissions is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart A; 30 TAC Chapter 111; and 30 TAC Chapter 115. This procedure is consistent with the EPA "CAM Technical Document" (August 1998) which provides an example of using "EPA Test Method 22-like" procedures for determining visible emissions.	



Unit/Group/Process Information	
ID No.: A-D-1	
Control Device ID No.: A-D-1	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-1
Pollutant: VOC	Main Standard: § 115.121(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: A-D-1	
Control Device ID No.: A-D-1	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-1
Pollutant: VOC	Main Standard: § 115.121(a)(1)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: No visible emissions. If visible emissions are observed the permit holder shall either report a deviation or determine visible emissions consistent with Test Method 22 or Test Method 9.	
Basis of CAM: It is widely practiced and accepted to monitor flares for visible emissions by closed circuit cameras and visual inspection. Visible emissions observations indicate that the flare is not efficiently combusting the emissions or there is incomplete combustion. Visible emissions can indicate an improper inlet flow rate or net heating value of the emissions routed to the flare. Monitoring visible emissions is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart A; 30 TAC Chapter 111; and 30 TAC Chapter 115. This procedure is consistent with the EPA "CAM Technical Document" (August 1998) which provides an example of using "EPA Test Method 22-like" procedures for determining visible emissions.	

Unit/Group/Process Information	
ID No.: A-D-1	
Control Device ID No.: A-D-1	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-2
Pollutant: VOC	Main Standard: § 115.121(a)(2)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: No visible emissions. If visible emissions are observed the permit holder shall either report a deviation or determine visible emissions consistent with Test Method 22 or Test Method 9.	
Basis of CAM: It is widely practiced and accepted to monitor flares for visible emissions by closed circuit cameras and visual inspection. Visible emissions observations indicate that the flare is not efficiently combusting the emissions or there is incomplete combustion. Visible emissions can indicate an improper inlet flow rate or net heating value of the emissions routed to the flare. Monitoring visible emissions is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart A; 30 TAC Chapter 111; and 30 TAC Chapter 115. This procedure is consistent with the EPA "CAM Technical Document" (August 1998) which provides an example of using "EPA Test Method 22-like" procedures for determining visible emissions.	

Unit/Group/Process Information	
ID No.: A-D-1	
Control Device ID No.: A-D-1	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-2
Pollutant: VOC	Main Standard: § 115.121(a)(2)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.	

Unit/Group/Process Information	
ID No.: A-D-1	
Control Device ID No.: A-D-1	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-2
Pollutant: VOC	Main Standard: § 115.121(a)(2)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: No visible emissions. If visible emissions are observed the permit holder shall either report a deviation or determine visible emissions consistent with Test Method 22 or Test Method 9.	
Basis of CAM: It is widely practiced and accepted to monitor flares for visible emissions by closed circuit cameras and visual inspection. Visible emissions observations indicate that the flare is not efficiently combusting the emissions or there is incomplete combustion. Visible emissions can indicate an improper inlet flow rate or net heating value of the emissions routed to the flare. Monitoring visible emissions is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart A; 30 TAC Chapter 111; and 30 TAC Chapter 115. This procedure is consistent with the EPA "CAM Technical Document" (August 1998) which provides an example of using "EPA Test Method 22-like" procedures for determining visible emissions.	

Unit/Group/Process Information	
ID No.: BLR-1	
Control Device ID No.: BLR-1	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-3
Pollutant: VOC	Main Standard: § 115.121(a)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: All periods of operation that are not recorded	
<p>Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p>	

Unit/Group/Process Information	
ID No.: BLR-1	
Control Device ID No.: BLR-1	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-4
Pollutant: VOC	Main Standard: § 115.121(a)(2)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: All periods of operation that are not recorded	
<p>Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p>	

Unit/Group/Process Information	
ID No.: BLR-2	
Control Device ID No.: BLR-2	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-5
Pollutant: VOC	Main Standard: § 115.121(a)(1)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: All periods of operation that are not recorded	
<p>Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p>	



Unit/Group/Process Information	
ID No.: BLR-2	
Control Device ID No.: BLR-2	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.121(a)(2)
Monitoring Information	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: All periods of operation that are not recorded	
<p>Basis of CAM: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p>	

## Compliance Review

### Compliance History Review

1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on ..... **3/26/14**
2. The compliance history review evaluated the period from ..... **2/21/09 - 3/26/14**  
Site rating: **0.23**      Company rating: **2.84**  
(*High < 0.10; Satisfactory > 0.10 and < 55; Unsatisfactory > 55*)
3. Has the permit changed on the basis of the compliance history or site/company rating? ..... **No**

### Site/Permit Area Compliance Status Review

1. Were there any out-of-compliance units listed on Form OP-ACPS? ..... **No**
2. Is a compliance plan and schedule included in the permit? ..... **No**

### Available Unit Attribute Forms

OP-UA1 - Miscellaneous and Generic Unit Attributes  
OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes  
OP-UA3 - Storage Tank/Vessel Attributes  
OP-UA4 - Loading/Unloading Operations Attributes  
OP-UA5 - Process Heater/Furnace Attributes  
OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes  
OP-UA7 - Flare Attributes  
OP-UA8 - Coal Preparation Plant Attributes  
OP-UA9 - Nonmetallic Mineral Process Plant Attributes  
OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes  
OP-UA11 - Stationary Turbine Attributes  
OP-UA12 - Fugitive Emission Unit Attributes  
OP-UA13 - Industrial Process Cooling Tower Attributes  
OP-UA14 - Water Separator Attributes  
OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes  
OP-UA16 - Solvent Degreasing Machine Attributes  
OP-UA17 - Distillation Unit Attributes  
OP-UA18 - Surface Coating Operations Attributes  
OP-UA19 - Wastewater Unit Attributes  
OP-UA20 - Asphalt Operations Attributes  
OP-UA21 - Grain Elevator Attributes  
OP-UA22 - Printing Attributes  
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes  
OP-UA25 - Synthetic Fiber Production Attributes  
OP-UA26 - Electroplating and Anodizing Unit Attributes  
OP-UA27 - Nitric Acid Manufacturing Attributes  
OP-UA28 - Polymer Manufacturing Attributes  
OP-UA29 - Glass Manufacturing Unit Attributes  
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes  
OP-UA31 - Lead Smelting Attributes  
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes  
OP-UA33 - Metallic Mineral Processing Plant Attributes  
OP-UA34 - Pharmaceutical Manufacturing  
OP-UA35 - Incinerator Attributes  
OP-UA36 - Steel Plant Unit Attributes  
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes  
OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes

OP-UA39 - Sterilization Source Attributes  
OP-UA40 - Ferroalloy Production Facility Attributes  
OP-UA41 - Dry Cleaning Facility Attributes  
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes  
OP-UA43 - Sulfuric Acid Production Attributes  
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes  
OP-UA45 - Surface Impoundment Attributes  
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes  
OP-UA47 - Ship Building and Ship Repair Unit Attributes  
OP-UA48 - Air Oxidation Unit Process Attributes  
OP-UA49 - Vacuum-Producing System Attributes  
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes  
OP-UA51 - Dryer/Kiln/Oven Attributes  
OP-UA52 - Closed Vent Systems and Control Devices  
OP-UA53 - Beryllium Processing Attributes  
OP-UA54 - Mercury Chlor-Alkali Cell Attributes  
OP-UA55 - Transfer System Attributes  
OP-UA56 - Vinyl Chloride Process Attributes  
OP-UA57 - Cleaning/Depainting Operation Attributes  
OP-UA58 - Treatment Process Attributes  
OP-UA59 - Coke By-Product Recovery Plant Attributes  
OP-UA60 - Chemical Manufacturing Process Unit Attributes  
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes  
OP-UA62 - Glycol Dehydration Unit Attributes  
OP-UA63 - Vegetable Oil Production Attributes